

Serial No. 10/607,551

Docket No. DPO-0005

Amdt. dated May 10, 2006

Reply to Office Action of February 16, 2006

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently Amended) A mobile ~~communication~~ terminal, comprising:

a body part;

a folder part ~~that folds moves~~;

a hinge part provided where the body part and the folder part meet, wherein the folder part is configured to rotate about an axis of rotation disposed along the hinge part so as to rotate between a first and a second position relative to the body part; and

a camera, wherein the camera ~~protrudes~~ is configured to move longitudinally along the axis of rotation so as to extend outward from the mobile communication terminal when as the folder part is in moves from the second position to the first position, and wherein the camera is inserted within to be retracted into the mobile communication terminal when as the folder part is in moves from the first position to the second position.

2. (Currently Amended) The mobile ~~communication~~ terminal of claim 1, further comprising:

a camera installing part ~~that installs~~ configured to install said camera in the mobile communication terminal, wherein the camera ~~protrudes~~ is configured to extend out of the camera installing part when the folder part is ~~unfolded~~ rotated away from the body part, and ~~the camera is inserted to be retracted~~ into the camera installing part when the folder part is ~~folded~~ rotated toward the body part.

3. (Currently Amended) The mobile ~~communication~~ terminal of claim 1, wherein the camera installing part is ~~formed in a~~ provided with the hinge part ~~formed where the body part and the folder part meet.~~

4. (Currently Amended) The mobile ~~communication~~ terminal of claim 3, wherein the hinge part comprises a folder hinge part which extends from a lower end portion of the folder part, and a body hinge part which extends from an upper end portion of the body part.

5. (Currently Amended) The mobile ~~communication~~ terminal of claim 3, further comprising a camera case ~~formed next to~~ provided adjacent the hinge part.

6. (Currently Amended) The mobile ~~communication~~ terminal of claim 1, wherein the camera comprises:

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a camera module having a lens and an electronic circuit ~~inserted~~ provided therein; and  
a camera shaft coupled ~~with~~ to the camera module, wherein the camera module ~~moves~~  
~~when is configured to move as~~ the folder part moves.

7. (Currently Amended) The mobile ~~communication~~ terminal of claim 6, wherein the camera module is coupled ~~with~~ to the camera shaft, and wherein the camera module ~~rotates is~~ configured to rotate about the camera shaft.

8. (Currently Amended) The mobile ~~communication~~ terminal of claim 6, wherein an outer diameter of the camera shaft is smaller than ~~that~~ an inner diameter of the camera module.

9. (Currently Amended) The mobile ~~communication~~ terminal of claim 6, further comprising:

a hooking sill formed at one end of the camera shaft;

a snap ring locking groove formed ~~inside the hooking sill~~ on the camera shaft, at an inner circumference of the hooking sill;

an end sill formed on one end of the camera module and having a diameter smaller than the hooking sill ~~formed on one end of the camera module~~; and

a snap ring coupled ~~with to~~ the snap ring locking groove ~~so such~~ that the camera shaft ~~fitted in the camera module~~ is not released easily from the camera module.

10. (Currently Amended) The mobile ~~communication~~ terminal of claim 6, ~~wherein further comprising a plurality of snap recesses is formed at a side end of the camera module, wherein a and a corresponding plurality of snap protrusions is formed on a snap ring configured to be positioned adjacent to the side end of the camera module, and wherein the plurality of snap recesses are locked in the~~ configured to engage with the plurality of snap protrusions.

11. (Currently Amended) The mobile ~~communication~~ terminal of claim 6, further comprising:

a driving pin ~~formed at which protrudes inward from an inner circumferential surface of the hinge part to protrude inward; and~~

a guide groove ~~formed at a circumference along an outer circumferential surface of the camera shaft to lock and configured to receive the driving pin therein, wherein the driving pin is coupled with configured to move along the guide groove so as to move the camera shaft when in a longitudinal direction along the axis of rotation as the folder part is moved in reference from rotates relative to the body part.~~

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12. (Currently Amended) The mobile ~~communication~~-terminal of claim 6, further comprising: ~~a hinge part formed where the body part and the folder part meet;~~

a hook ~~having both sides bisected~~ formed at an end of the camera shaft; and

a hooking ring sill formed on an inner circumference of the hinge part ~~to protrude which protrudes inward, wherein so as to engage the hook is interlocked with the hooking ring sill as the camera shaft is inserted into the hinge part.~~

13. (Currently Amended) The mobile ~~communication~~-terminal of claim 6, further comprising: ~~a hinge part formed where the body part and the folder part meet;~~

a straight guide groove formed ~~at one side along an outer circumferential surface~~ of the camera shaft ~~in a shaft length direction and extending in a longitudinal direction thereof;~~ and

a straight sliding rib ~~is formed on~~ extending outward from an inner circumference circumferential surface of the hinge part, wherein the guide groove is configured to receive the sliding rib is locked in the guide groove therein so as to guide the camera shaft as it moves relative to the hinge part.

14. (Currently Amended) The mobile ~~communication~~-terminal of claim 6, further comprising: ~~a hinge part formed where the body part and the folder part meet;~~

a straight sliding rib ~~formed at one side~~ extending outward from an outer circumferential surface of the camera shaft ~~in a shaft length direction~~ along a longitudinal direction thereof; and

a straight guide groove formed ~~on~~ along an inner circumference ~~circumferential surface~~ of the hinge part, wherein the sliding groove is configured to receive the sliding rib is locked in the guide groove therein so as to guide the camera shaft as it moves relative to the hinge part.

15. (Currently Amended) The mobile ~~communication~~ terminal of claim 6, further comprising: ~~a hinge part formed where the body part and the folder part meet;~~

a pair of driving pins ~~formed at~~ extending inward from an inner circumferential surface of the hinge part; and

a corresponding pair of guide grooves formed on an outer circumferential surface the camera shaft.

16. (Currently Amended) The mobile ~~communication~~ terminal of claim 6, further comprising a camera case ~~formed next to~~ disposed adjacent the hinge part.

17. (Currently Amended) The mobile ~~communication~~ terminal of claim 1, wherein the camera is configured to be selectively protrudes extended from the terminal when the folder part is in the first position ~~according in response~~ to a corresponding user action.

18. (Currently Amended) A mobile ~~communication~~ terminal, comprising:

a first body part;

a second body part;

a hinge part connecting the first body part and the second body part;

a camera holder ~~enclosed~~ disposed in the hinge part; and

a camera disposed in the camera holder, wherein the camera is configured to move such that the camera is positioned outside of the camera holder when the first body part and the second body part are at a first predetermined angle relative to one another, and the camera protrudes from is positioned within the camera holder, ~~and wherein~~ when the first body part and the second body part are at a second predetermined angle relative to one another, ~~the camera is embedded within the camera holder.~~

19. (Currently Amended) The mobile ~~communication~~ terminal of claim 18, wherein the camera comprises a camera lens, and wherein the camera lens is positioned within the camera holder when the first body part and the second body part are at the second predetermined angle, ~~and wherein the camera comprises a camera lens, and wherein the camera lens is~~ positioned outside of the camera holder when the first body part and the second body part are at the first predetermined angle.

20. (Currently Amended) The mobile ~~communication~~ terminal of claim 18, wherein the first predetermined angle is greater than the second predetermined angle.

21. (Currently Amended) The mobile ~~communication~~ terminal of claim 18, wherein ~~when the rotating camera holder rotates from the second predetermined angle to the first predetermined angle, the camera holder is configured to rotate, and wherein the camera is configured to be selectively protrudes from inside the camera holder to outside~~ moved between an interior and an exterior of the camera holder according to a user operation.

22. (Canceled)

23. (Currently Amended) The ~~hinge-camera~~ mobile terminal of claim ~~22~~21, further comprising:

an electronic circuit in the ~~rotating~~ camera holder;

a driving pin ~~formed in~~ which extends inward toward a central portion of the hinge part that protrudes inward; and

a corresponding guide groove formed in the hinge part, ~~wherein the guide groove locks and configured to receive the driving pin therein, and wherein a movement of the driving pin coupled with within the guide groove forces at least a lens of the camera lens to be exposed from~~



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or enclosed in the camera holder when ~~the~~ an angle between the first body part and the second body part changes, ~~wherein the first part and the second part are respectively a folder part and a body part of a mobile communication terminal.~~

24. (Currently Amended) A method of operating a mobile ~~communication~~ terminal, comprising:

providing a body part;

rotatably coupling a folder part to the body part to move between an open and a closed position; and

retractably extending a camera outside the mobile ~~communication~~ terminal as the folder moves to the open position.

25. (New) The mobile terminal of claim 1, wherein the camera is configured to extend outward from an outer circumferential side edge portion of the terminal when the folder part is in the first position.

26. (New) The mobile terminal of claim 25, wherein the folder part is open relative to the body part in the first position, and closed relative to the body part in the second position.

27. (New) The mobile terminal of claim 18, wherein the first and second body parts are rotatably coupled about an axis of rotation, and wherein the camera is configured to move longitudinally along the axis of rotation as the first and second body parts rotate relative to one another.

28. (New) The mobile terminal of claim 27, wherein the axis of rotation is substantially coincident with a central axis of the hinge part.

29. (New) The mobile terminal of claim 27, wherein the camera is configured to extend outward from an outer circumferential side edge portion of the terminal when the first and second body parts are open relative to one another, and to be retracted into the terminal when the first and second body parts are closed relative to one another.

30. (New) The mobile terminal of claim 23, wherein the first body part is a folder part, and the second body part is a main body part of a mobile communication terminal.

31. (New) The method of claim 24, wherein the body part and the folder part are rotatably coupled about an axis of rotation, and wherein retractably extending a camera outside the mobile communication terminal as the folder moves to the open position comprises moving the camera

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longitudinally along the axis of rotation so as to extend the camera outside of the mobile communications terminal or to retract the camera into the mobile communication terminal as the body part and the folder part rotate relative to one another.